

08-06-01

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JC845 U.S. PTO

Please type a plus sign (+) inside this box ☐

PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2081.0  
First Inventor DIWU  
Title Derivatives of 1,2-Dihydro-7-Hydroxyquinolines Containing Fused Ring  
Express Mail Label No. EL 770157724 US

JC872 U.S. PTO  
09/922333

08/04/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 118]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages     ]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS


9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label				or <input type="checkbox"/> Correspondence address below
<b>23358</b>				
PATENT TRADEMARK OFFICE				
Name				
Address				
City	State	Zip Code		
Country	Telephone	Fax		

Name (Print/Type)	<u>Allegra J. Helfenstein</u>	Registration No. (Attorney/Agent)	<u>34,179</u>
Signature	<u>Allegra J. Helfenstein</u>	Date	<u>Aug. 4, 2001</u>

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL**  
**for FY 2001**

Patent fees are subject to annual revision.

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Diwu
Examiner Name	
Group Art Unit	
Attorney Docket No.	2081.0

TOTAL AMOUNT OF PAYMENT (\$)  
727.**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	13-3900
Deposit Account Name	Molecular Probes, Inc.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☒ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	355
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)  
355**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
40	-20** = 20	\$9	252
6	-3** = 3	\$40	120
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)  
372

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Name (Print/Type)	Allegra J. Helfenstein	Registration No. (Attorney/Agent)	34,179	Telephone	(541) 465-8300
Signature	Allegra J. Helfenstein	Date	Aug. 4, 2001		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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# PATENT APPLICATION TRANSMITTAL LETTER

To the Assistant Commissioner for Patents:

Transmitted herewith for filing under 35 U.S.C. § 111(a) and 37 CFR § 1.53(b)(1) is the patent application of **Zhenjun Diwu, Jiaxing Liu, Richard P. Haugland, and Kyle R. Gee** entitled **DERIVATIVES OF 1,2-DIHYDRO-7-HYDROXYQUINOLINES CONTAINING FUSED RINGS**.

Enclosed are:

- ☒ 118 pages of written description, claims and abstract
- ☒ 3 sheets of drawings
- ☐ an assignment of the invention to     , including an assignment cover sheet and a certificate under 37 CFR § 3.73(b)
- ☐ executed declaration of the inventors
- ☐ a certified copy of a    application
- ☐ associate power of attorney
- ☒ other: postcard

## CLAIMS AS FILED

	NUMBER FILED	NUMBER EXTRA	RATE	FEE
BASIC FEE (37 CFR § 1.16(a))			\$ .00	\$355
TOTAL CLAIMS (37 CFR § 1.16(c))	48 - 20 =	* 28	X \$ .9	\$252
INDEPENDENT CLAIMS (37 CFR § 1.16(b))	6 - 3 =	*3	X \$40	\$ 120
MULTIPLE DEPENDENT CLAIM PRESENT	(37 CFR § 1.16(d))		\$	
*NUMBER EXTRA MUST BE ZERO OR LARGER				
If applicant has small entity status under 37 CFR §§ 1.9 and 1.27, ENTITY then divide total fee by 2, and enter amount here. TOTAL			SMALL	\$727

- ☐ A check in the amount of \$    to cover the filing fee is enclosed
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 13-3900 as described below. I have enclosed a duplicate copy of this sheet
  - ☒ Charge the amount of \$ 727. as filing fee.
  - ☒ Credit any overpayment and charge any additional filing fees required under CFR §§ 1.16 and 1.17.

Aug. 4, 2001  
Date

Allegra Helfenstein  
Signature  
Allegra Helfenstein  
Registration No. 34,179  
Molecular Probes, Inc.,  
P.O. Box 22010  
Eugene, OR 97402-0469

## CORRESPONDENCE ADDRESS

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## CERTIFICATE OF MAILING BY EXPRESS MAIL

I HEREBY CERTIFY THAT THIS PAPER AND THE DOCUMENTS REFERRED AS BEING ATTACHED OR ENCLOSED HERewith ARE BEING FILED UTILIZING EXPRESS MAIL POST OFFICE TO ADDRESSEE SERVICE OF THE UNITED STATES POST OFFICE AND ARE BEING DEPOSITED AS EXPRESS MAIL WITH THE UNITED STATES POSTAL SERVICE ON August 4, 2001 WITH MAILING LABEL NUMBER EL 770157724 US IN AN ENVELOPE ADDRESSED TO: BOX PATENT APPLICATION, COMMISSIONER FOR PATENTS, WASHINGTON DC 20231

Allegra Helfenstein  
Allegra Helfenstein

REG. NO. 34,179

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

08/08/2001 EFLORES 00000072 133900 09922333

01 FC:201	355.00 CH
02 FC:202	120.00 CH
03 FC:203	252.00 CH